

	Type	L #	Hits	Search Text	Dbs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	642	thrombopoietin	USPAT; EPO; JPO; DERWENT	2002/12/2 4 11:39			0
2	BRS	L2	635	demyelination	USPAT; EPO; JPO; DERWENT	2002/12/2 4 11:39			0
3	BRS	L3	0	thyroid adj regulatory adj agent	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:40			0
4	BRS	L4	1488	thyroid same (regulat\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:42			0
5	BRS	L5	2831	thyroid adj hormone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:43			0
6	BRS	L6	348	levothyroxine or liothyronine or thyglobulin or (dessicated adj thyroid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:45			0
7	BRS	L7	3903	platelet-derived adj growth adj factor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:45			0
8	BRS	L8	17	nerve adj axon adj myelin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:46			0
9	BRS	L9	30	1 same (4 or 5 or 6)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:53			0
10	BRS	L11	48189	platelet	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:48			0
11	BRS	L12	12150	platelet same produc\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:49			0
12	BRS	L13	0	9 same 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:49			0
13	BRS	L10	22	1 same (4 or 5 or 6) same 7	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:56			0
14	BRS	L14	0	1 same (4 or 5 or 6) same 7 same 2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:53			0
15	BRS	L15	0	1 same (4 or 5 or 6) same 2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:53			0
16	BRS	L16	0	1 same (4 or 5 or 6) same 8	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:54			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
17	BRS	L17	1589	thyrotropin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:55			0
18	BRS	L18	0	1 same 17 same (2 or 8)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 11:55			0
19	BRS	L19	0	1 same (4 or 5 or 6) same 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 12:01			0
20	BRS	L21	0	1 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 12:02			0
21	BRS	L20	11	schwartz adj george.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/12/2 4 12:02			0

FILE 'HOME' ENTERED AT 12:05:14 ON 24 DEC 2002

=> file medline caplus biosis embase scisearch agricola

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'MEDLINE' ENTERED AT 12:05:38 ON 24 DEC 2002

FILE 'CAPLUS' ENTERED AT 12:05:38 ON 24 DEC 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 12:05:38 ON 24 DEC 2002

COPYRIGHT (C) 2002 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'EMBASE' ENTERED AT 12:05:38 ON 24 DEC 2002

COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

FILE 'SCISEARCH' ENTERED AT 12:05:38 ON 24 DEC 2002

COPYRIGHT (C) 2002 Institute for Scientific Information (ISI) (R)

FILE 'AGRICOLA' ENTERED AT 12:05:38 ON 24 DEC 2002

=> s thrombopoietin

L1 9594 THROMBOPOIETIN

=> s thyroid regulatory agent

L2 1 THYROID REGULATORY AGENT

=> s thyroid (a) regulat?

L3 999 THYROID (A) REGULAT?

=> s (thyroid hormone) or levothyroxine or liothyronine or thyglobulin or (dessicated thyroid)

L4 121354 (THYROID HORMONE) OR LEVOTHYROXINE OR LIOTHYRONINE OR THYGLOBULIN
OR (DESSICATED THYROID)

=> s l2 or l3 or l4

L5 121847 L2 OR L3 OR L4

=> s thyrotropin

L6 97151 THYROTROPIN

=> s platelet-derived growth factor

L7 54000 PLATELET-DERIVED GROWTH FACTOR

=> s demyelination

L8 28454 DEMYELINATION

=> s nerve axon myelin

L9 28 NERVE AXON MYELIN

=> s l1 (p) (l5 or l6) (p) l7

L10 0 L1 (P) (L5 OR L6) (P) L7

=> s l1 (p) l7

L11 64 L1 (P) L7

=> s l11 (p) (l8 or l9)

L12 0 L11 (P) (L8 OR L9)

=> s l7 (p) (l8 or l9)

L13 61 L7 (P) (L8 OR L9)

=> s l13 (p) (l5 or l6)

L14 5 L13 (P) (L5 OR L6)

=> duplicate remove l14

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L14
L15 1 DUPLICATE REMOVE L14 (4 DUPLICATES REMOVED)

=> d l15 1 ibib abs

L15 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
ACCESSION NUMBER: 2000194108 MEDLINE
DOCUMENT NUMBER: 20194108 PubMed ID: 10729915
TITLE: Why are growth factors important in oligodendrocyte physiology?.
AUTHOR: Dubois-Dalcq M; Murray K
CORPORATE SOURCE: Unite de Neurovirologie et Regeneration du Systeme Nerveux, Institut Pasteur, Paris, France.
SOURCE: PATHOLOGIE BIOLOGIE, (2000 Feb) 48 (1) 80-6. Ref: 58
Journal code: 0265365. ISSN: 0369-8114.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200004
ENTRY DATE: Entered STN: 20000413
Last Updated on STN: 20000413
Entered Medline: 20000407

AB Recent studies in chicken, rodents and transgenic mice have provided new insight on the nature of factors essential to oligodendrocyte development. Here we first review how sonic hedgehog (shh) graded signalling induces emergence of oligodendrocytes in the embryonic spinal cord from birds to man. We then discuss the way in which ***thyroid*** ***hormone*** successively signals different thyroid receptors to control fate determination, growth and differentiation in the oligodendrocyte lineage. ***Platelet*** - ***derived*** ***growth*** ***factor*** (PDGF) is a potent regulator of oligodendrocyte progenitor (OP) migration and proliferation, while insulin-like growth factor 1 (IGF-1) acts both on neurons and myelin-forming cells to promote myelination. The balance between OP proliferation and differentiation appears to be controlled by different sets of growth factors locally synthesized in the central nervous system (CNS) as well as glutamate. In experimental models of multiple sclerosis (MS), the neuregulin isoform glial growth factor 2, IGF-1 and some neurotrophins can promote remyelination after an episode of inflammatory ***demyelination***. A future challenge is to determine how to induce multipotential neural precursors to generate migratory OP and enhance the remyelination process in the adult CNS.

=> d his

(FILE 'HOME' ENTERED AT 12:05:14 ON 24 DEC 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT 12:05:38 ON 24 DEC 2002

L1 9594 S THROMBOPOIETIN
L2 1 S THYROID REGULATORY AGENT
L3 999 S THYROID (A) REGULAT?
L4 121354 S (THYROID HORMONE) OR LEVOTHROXINE OR LIOTHYRONINE OR THYGLOBU
L5 121847 S L2 OR L3 OR L4
L6 97151 S THYROTROPIN
L7 54000 S PLATELET-DERIVED GROWTH FACTOR
L8 28454 S DEMYELINATION
L9 28 S NERVE AXON MYELIN
L10 0 S L1 (P) (L5 OR L6) (P) L7
L11 64 S L1 (P) L7
L12 0 S L11 (P) (L8 OR L9)
L13 61 S L7 (P) (L8 OR L9)
L14 5 S L13 (P) (L5 OR L6)
L15 1 DUPLICATE REMOVE L14 (4 DUPLICATES REMOVED)

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

FULL ESTIMATED COST

54.39

54.60

STN INTERNATIONAL LOGOFF AT 12:19:13 ON 24 DEC 2002